

US 13 AND US 40 INTERSECTION IMPROVEMENTS

PROJECT SCOPE/DESCRIPTION: This project will consist of intersection improvements at US 13 and US 40. The project development phase will determine the need and extent of the improvements. A scope of work and cost estimate will be developed from the project development.

PROJECT JUSTIFICATION: This intersection level of service fails at different intervals during the day. Improvements will address this failure that impacts livability in New Castle County.

County:	New Castle
Municipality:	
Funding Program:	Road System – Arterials
Functional Category:	Management
Representative District:	5, 15, 17
Senatorial District:	12, 13



US 13 AND US 40 INTERSECTION IMPROVEMENTS (CONTINUED)

US 13 and US 40 Intersection



US 13 AND US 40 INTERSECTION IMPROVEMENTS (CONTINUED)**PROJECT FUNDING INFORMATION**

Project	Funding Type	Original Estimate	Current Estimate	Authorization	Committed as of 10/22/02	Expended as of 10/22/02	Committed Unexpended as of 10/22/02	Authorization Available
US 13 and US 40 Intersection Improvements		\$ 750.0						
Prior Years	State			\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
	Federal			\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
	Other			\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
FY 2003	State		\$ 750.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
	Federal			\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
	Other			\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
FY 2004 Request	State			\$ 0.0				\$ 0.0
	Federal			\$ 0.0				\$ 0.0
	Other			\$ 0.0				\$ 0.0
FY 2005 Projected	State			\$ 750.0				\$ 750.0
	Federal			\$ 0.0				\$ 0.0
	Other			\$ 0.0				\$ 0.0
FY 2006 Projected	State			\$ 0.0				\$ 750.0
	Federal			\$ 0.0				\$ 0.0
	Other			\$ 0.0				\$ 0.0
FY 2007-2009 Projected	State			\$ 0.0				\$ 750.0
	Federal			\$ 0.0				\$ 0.0
	Other			\$ 0.0				\$ 0.0
Total Projected	State			\$ 750.0	\$ 0.0			\$ 750.0
	Federal			\$ 0.0	\$ 0.0			\$ 0.0
	Other			\$ 0.0	\$ 0.0			\$ 0.0
Total All Funds		\$ 750.0	\$ 750.0	\$ 750.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 750.0

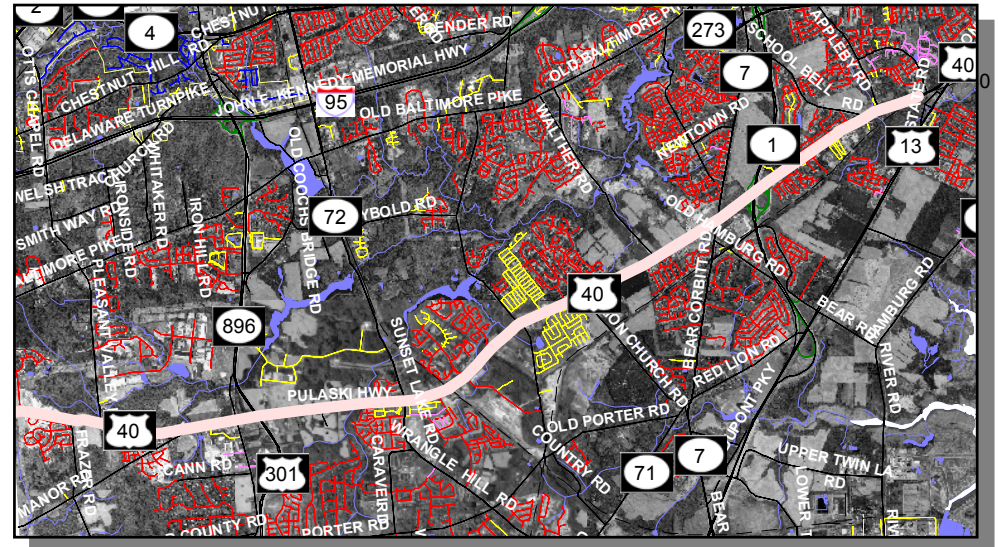
US 13 AND US 40 INTERSECTION IMPROVEMENTS (CONTINUED)**PROJECT TIMELINE INFORMATION**

Project #	Description	Phase	Funding Schedule	Current Estimate	Prior Years	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007 -2009
	US 13 and US 40 Intersection Improvements	PD	100% ST	\$ 750.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 750.0	\$ 0.0	\$ 0.0
		PE	100% ST	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		RW	100% ST	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		C	80% FHWA	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Total All Funds			\$ 750.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 750.0	\$ 0.0	\$ 0.0

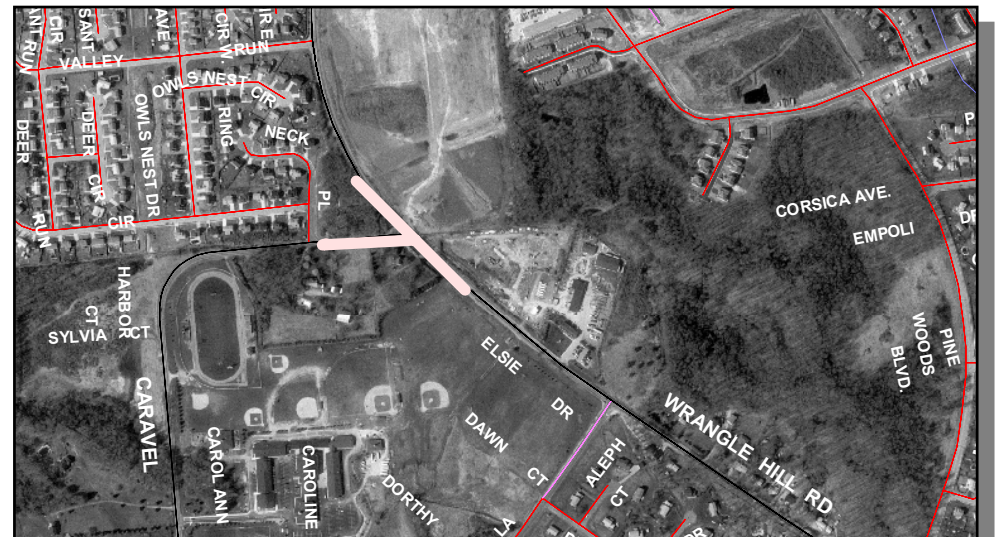
US 40, MARYLAND LINE TO US 13, CORRIDOR IMPROVEMENTS

PROJECT SCOPE/DESCRIPTION: This project seeks to implement the recommendations of the Route 40 Steering Committee, a public group that has recommended transportation improvements for the next twenty years, to address planned growth and enhance the quality of life in the Route 40 Corridor. The Committee's recommendations are found in the Route 40 Corridor 20-Year Transportation Plan dated June 19, 2000.

The projects listed below represent the first phase of improvements included within the Plan. These projects will be closely tied to an ongoing travel monitoring program through the Route 40 Corridor Monitoring Committee (CMC), which has been charged to implement the recommendations of the Plan. Triggered projects will not be constructed until changing conditions dictate in order to avoid creating excess capacity and inducing additional development and traffic in the corridor. Conceptual Engineering and Environmental Documentation of large projects proposed for later phases began in FY 2001 to facilitate implementation in the later years of the program and preserve needed right-of-way.

***Intersection Improvements***

SR 72 and Del Laws Road – This project involves the realignment of the intersection to align with the proposed entrance to the Rickey Commerce Center. This project will be triggered with the construction of the Rickey Commerce Center.



US 40, MARYLAND LINE TO US 13, CORRIDOR IMPROVEMENTS (CONTINUED)

US 40/Governors Square/Glendale Connector – This project will consist of improvements at the intersection to provide southbound double left-turn lanes, and one right-turn lane, plus northbound double left-turn lanes, one through lane, and right-turn lane. This improvement is tied to Eden Square Connector needs.



US 40/SR 72 – This project involves the addition of northbound and southbound through lanes, along with eastbound and westbound left-turn lanes which will provide double lefts at all legs of the intersection. Design for the project will not be begin until the completion of the environmental assessment for the major capacity improvements along US 40.

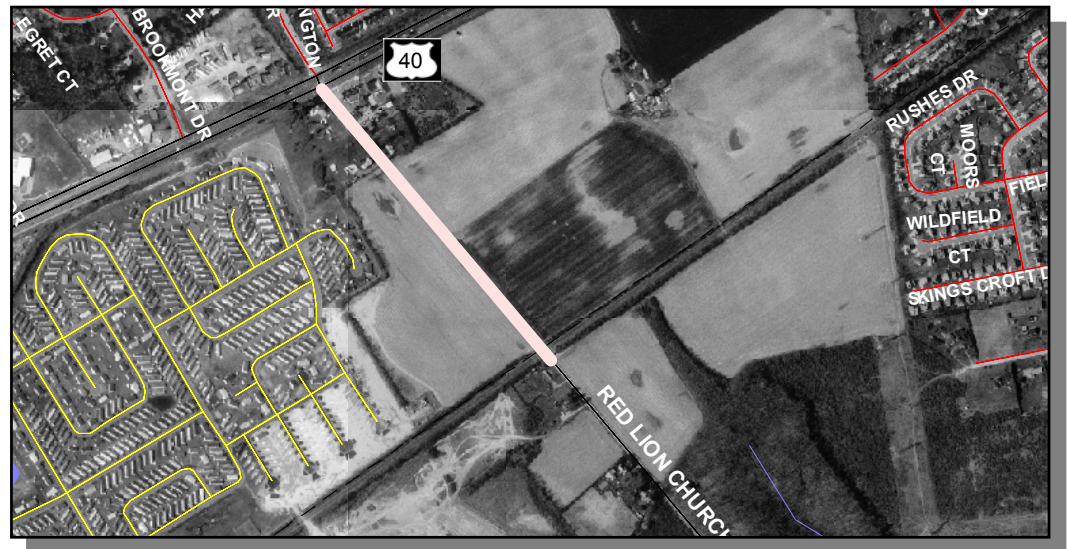


US 40, MARYLAND LINE TO US 13, CORRIDOR IMPROVEMENTS (CONTINUED)

US 40/Walther Road (Short Term) – This project will involve an addition of a southbound 3,500' third lane extension from west of Governor's Square Shopping Center to Walther Road, to address existing stacking problems. The improvements will also include pedestrian signals across US 40 at the intersection.

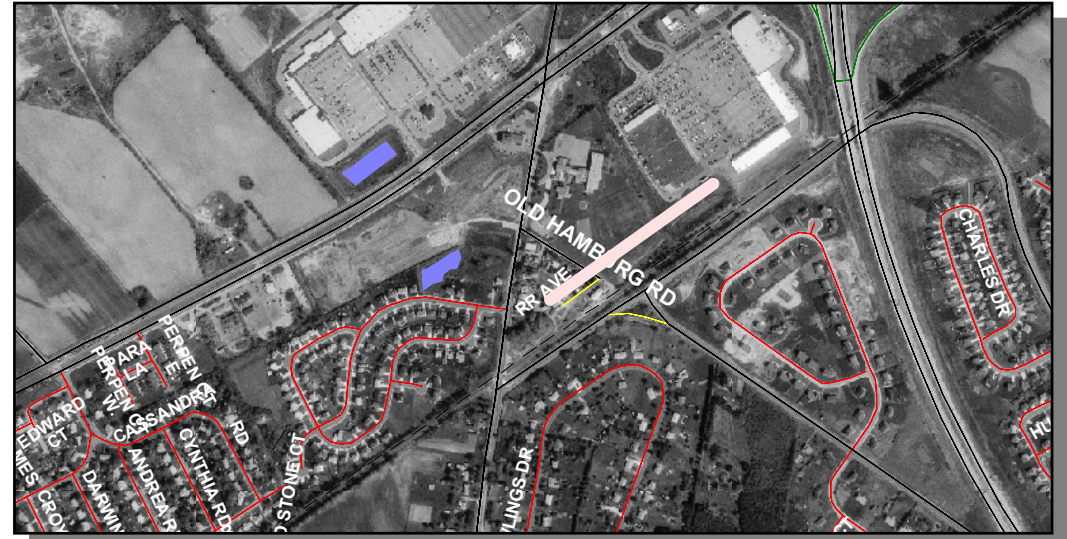
***New Roadways***

Church Road Connector – This project will involve the construction of the initial piece of a road connection between Church Road and US 40 to address future transportation problems at the US 40 and Church Road intersection. This funding is a private/public partnership and will be used for payback to the private sector for road construction costs.

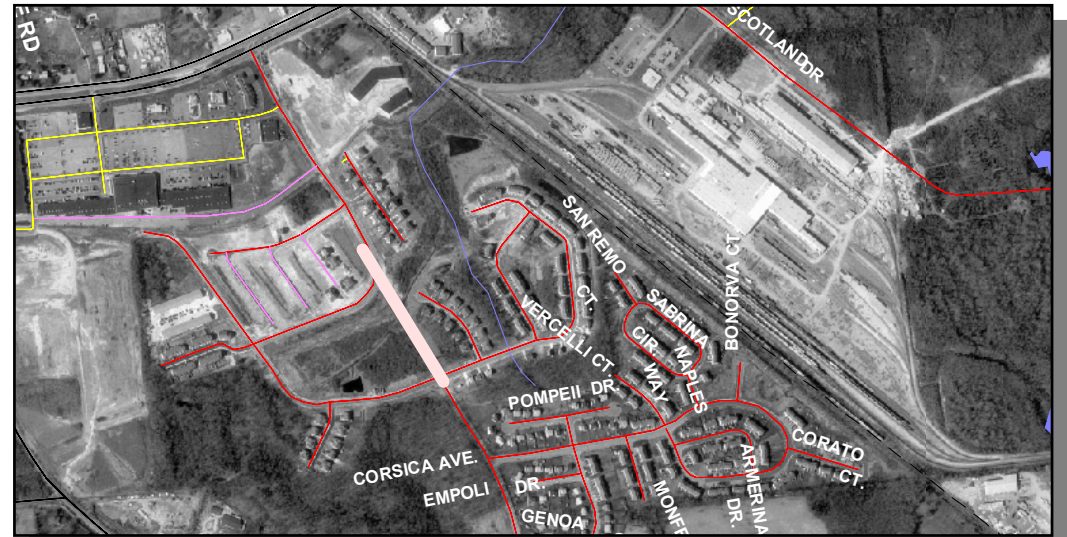


US 40, MARYLAND LINE TO US 13, CORRIDOR IMPROVEMENTS (CONTINUED)

Eden Square Connector – This project involves the construction of a road from SR 7, south of US 40, to the Eden Square Shopping Center to relieve congestion at the US 40/SR 7 area and improve accessibility. The project will also include bicycle lanes and pedestrian facilities. The overall length of the new roadway is 0.23 miles.



Rue Madora Drive – This project involves a connection to two existing sections of Rue Madora Drive behind the Fox Run Shopping Center to improve local mobility and also includes the construction of sidewalks. The overall length of the new roadway is 0.13 miles.



US 40, MARYLAND LINE TO US 13, CORRIDOR IMPROVEMENTS (CONTINUED)***Other Improvements***

Access Management on Developing Properties – This project will involve coordination with New Castle County's land development process to reduce the number of new access points on US 40.

US 40 Signing and Streetscape Master Plan – This project will involve enhanced signage and streetscaping in the corridor. The construction of signage is scheduled for FY 2002 and the implementation of streetscaping is scheduled for FY 2005 through 2007.

Pedestrian/Bicycle Improvements

Newtown Trail – This project involves the utilization of the reserved right-of-way through the Salem Woods community and other communities to construct a pedestrian and bicycle link. Details of the proposed project will be developed in conjunction with the communities along the trail.

Songsmith Drive Sidewalks, McMullen Circle to Smalley's Dam Road and Waterford Pedestrian Access – This project will consist of the construction of sidewalks on both sides of Songsmith Drive for 0.64 miles. Also included are crosswalks at select locations and bus stop improvements. The Waterford pedestrian access will provide ADA access to the bus stop on US 40 from Waterford I and includes a ramp system over the berm, lighting, and other security features.

US 40 Sidepaths, Salem Church Road to SR 1 – This project will construct a 10' wide, 2.5 mile, combined pedestrian and bicycle path along both sides of US 40 to improve pedestrian and bicycle mobility and safety. Design for the project will not begin until completion of the Environmental Assessment for major capacity improvements along US 40.

US 40 Sidepaths, SR 72 to Salem Church Road – This project will construct a 10' wide, approximate 1.37 miles, combined pedestrian and bicycle path along both sides of US 40 to improve pedestrian and bicycle mobility and safety. Design for the project will not begin until completion of the Environmental Assessment for major capacity improvements along US 40.

Walther Road Sidewalks, Old Baltimore Pike to US 40 – This project involves the construction of sidewalks and bicycle lanes along Walther Road, for a length of about 1.91 miles. This project will require reconstruction of a section of Walther Road near US 40 to bring it up to state standards.

Wilton Boulevard and Appleby Road Sidewalks – This project will involve the construction of sidewalks along Wilton Boulevard and Appleby Road. This project may also include crosswalks and bus stop improvements.

US 40, MARYLAND LINE TO US 13, CORRIDOR IMPROVEMENTS (CONTINUED)***Transit Service Enhancements***

Additional Bus Stop Improvements – This project will consist of additional bus shelters being constructed at selected locations throughout the corridor. Specific locations and improvements remain unidentified at this time.

Additional Pedestrian Connection to Bus Stops – Various projects will construct additional sidewalk connections to bus stops throughout the US 40 corridor. Specific locations and improvements related to these bus stops remain to be determined.

Park and Ride Preservation/Expansion – This project will consist of the preservation of existing lots in the corridor (People's Plaza and SR 7/SR273) and consideration of new ones (near both the SR 72/US 40 and US 40/SR 7 areas).

Route Deviation Service – This project involves funding of a pilot project for route deviation transit services as an extension of a neighborhood transit services program.

PROJECT JUSTIFICATION: The Route 40 Program has been developed through the work of the Route 40 Steering Committee, which was comprised of civic and business leaders, property owners, state and New Castle County legislators, and the Project Partners, DelDOT, New Castle County, and WILMAPCO. The recommended 20-Year Transportation Plan, adopted in June 2000, intends to address traffic generated from committed developments in the Corridor, strives to not promote additional development and traffic through the construction of excess highway capacity in the corridor, and implements transportation improvements that enhance the quality of life in the Route 40 Corridor. To meet these goals, the program is based on a Monitoring and Triggering Program, which assesses yearly traffic, land use, transit, and safety conditions, among other factors, in the Corridor to recommend schedule changes to the funding of the Route 40 Program.

County:	New Castle
Municipality:	
Funding Category:	Road System – Arterials
Functional Category:	Management
Representative District:	5, 15, 18, 26, 27
Senatorial District:	10, 11, 12, 13



*US 40, MARYLAND LINE TO US 13, CORRIDOR IMPROVEMENTS (CONTINUED)***PROJECT FUNDING INFORMATION**

Project	Funding Type	Original Estimate	Current Estimate	Authorization	Committed as of 10/22/02	Expended as of 10/22/02	Committed Unexpended as of 10/22/02	Authorization Available
US 40, Maryland Line to US 13, Corridor Improvements		\$ 52,968.0						
Prior Years	State			\$ 6,444.8	\$ 2,973.3	\$ 1,341.0	\$ 1,632.3	\$ 3,471.5
	Federal			\$ 4,769.6	\$ 1,498.0	\$ 1.9	\$ 1,496.1	\$ 3,271.6
	Other			\$ 203.5	\$ 203.5	\$ 57.1	\$ 146.4	\$ 0.0
FY 2003	State		\$ 79,698.5	\$ 461.2	\$ 0.0	\$ 0.0	\$ 0.0	\$ 3,932.7
	Federal			\$ 4,838.4	\$ 0.0	\$ 0.0	\$ 0.0	\$ 8,110.0
	Other			\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
FY 2004 Request	State			\$ 6,002.4				\$ 9,935.1
	Federal			\$ 7,781.6				\$ 15,891.6
	Other			\$ 0.0				\$ 0.0
FY 2005 Projected	State			\$ 5,255.4				\$ 15,190.5
	Federal			\$ 11,689.6				\$ 27,581.2
	Other			\$ 0.0				\$ 0.0
FY 2006 Projected	State			\$ 3,483.0				\$ 18,673.5
	Federal			\$ 9,604.0				\$ 37,185.2
	Other			\$ 0.0				\$ 0.0
FY 2007-2009 Projected	State			\$ 4,761.0				\$ 23,434.5
	Federal			\$ 14,404.0				\$ 51,589.2
	Other			\$ 0.0				\$ 0.0
Total Projected	State			\$ 26,407.8	\$ 2,973.3			\$ 23,434.5
	Federal			\$ 53,087.2	\$ 1,498.0			\$ 51,589.2
	Other			\$ 203.5	\$ 203.5			(\$0.0)
Total All Funds		\$ 52,968.0	\$ 79,698.5	\$ 79,698.5	\$ 4,674.8	\$ 1,400.0	\$ 3,274.8	\$ 75,023.7

US 40, MARYLAND LINE TO US 13, CORRIDOR IMPROVEMENTS (CONTINUED)**PROJECT TIMELINE INFORMATION**

Project #	Description	Phase	Funding Schedule	Current Estimate	Prior Years	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007 -2009
	US 40, Maryland Line to US 13, Corridor Improvements									
21-119-01	Projects	PE	100% Private	\$ 203.5	\$ 203.5	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
22-119-03		PE	80% FHWA	5,962.0	5,962.0	0.0	0.0	0.0	0.0	0.0
	US 40 Development & Prelim. Engineering	PE	100% ST	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	US 40 Right of Way	PE	100% ST	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Intersections									
	US 40 / SR 72 (Includes SR 72 and Del Laws	PE	80% FHWA	1,119.0	0.0	0.0	1,119.0	0.0	0.0	0.0
	Road intersection)	RW	80% FHWA	3,765.0	0.0	0.0	0.0	3,765.0	0.0	0.0
		C	80% FHWA	7,462.0	0.0	0.0	0.0	0.0	7,462.0	0.0
	Roadway Improvements									
20-119-01	Church Road, US 40 to Queensbury Village	C	80% FHWA	4,463.0	0.0	4,463.0	0.0	0.0	0.0	0.0
	School Bell Road, SR 7 to US 40	PE	100% ST	383.0	0.0	0.0	383.0	0.0	0.0	0.0
		RW	100% ST	967.0	0.0	0.0	967.0	0.0	0.0	0.0
		C	80% FHWA	2,550.0	0.0	0.0	0.0	2,550.0	0.0	0.0
22-119-01	US 40, Walther Road to Governor's Square	PE	100% ST	701.0	0.0	0.0	701.0	0.0	0.0	0.0
		RW	100% ST	1,050.0	0.0	0.0	0.0	1,050.0	0.0	0.0
		C	80% FHWA	4,677.0	0.0	0.0	0.0	4,677.0	0.0	0.0
	New Roadways									
	Church Road Connector	C	80% FHWA	750.0	0.0	750.0	0.0	0.0	0.0	0.0
98-119-02	Eden Square Connector	PE	100% ST	326.0	0.0	0.0	326.0	0.0	0.0	0.0
		RW	100% ST	685.0	0.0	0.0	685.0	0.0	0.0	0.0
		C	80% FHWA	1,985.0	0.0	0.0	0.0	1,985.0	0.0	0.0
22-119-04	Rue Madora	PE	100% ST	50.0	50.0	0.0	0.0	0.0	0.0	0.0
		C	80% FHWA	201.0	0.0	201.0	0.0	0.0	0.0	0.0

US 40, MARYLAND LINE TO US 13, CORRIDOR IMPROVEMENTS (CONTINUED)**PROJECT TIMELINE INFORMATION**

Project #	Description	Phase	Funding Schedule	Current Estimate	Prior Years	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007 -2009
	US 40, Maryland Line to US 13, Corridor Improvements, Continued									
	Bicycle and Pedestrian Improvements									
	Newtown Trail	PE	100% ST	600.0	600.0	0.0	0.0	0.0	0.0	0.0
		RW	80% FHWA	1,800.0	0.0	0.0	1,800.0	0.0	0.0	0.0
		C	80% FHWA	3,600.0	0.0	0.0	3,600.0	0.0	0.0	0.0
22-119-02	Songsmith Drive Sidewalks, Mc Mullen Circle to Smalley's Dam Road and Waterford	PE	100% ST	156.0	156.0	0.0	0.0	0.0	0.0	0.0
		RW	100% ST	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Pedestrian Access	C	80% FHWA	634.0	0.0	634.0	0.0	0.0	0.0	0.0
	US 40 Sidepaths, Salem Church Road to SR 1	PE	100% ST	350.0	0.0	0.0	0.0	350.0	0.0	0.0
		RW	80% FHWA	2,506.0	0.0	0.0	0.0	0.0	2,506.0	0.0
		C	80% FHWA	2,338.0	0.0	0.0	0.0	0.0	0.0	2,338.0
	US 40 Sidepaths, SR 72 to Salem Church Road	PE	100% ST	283.0	0.0	0.0	0.0	283.0	0.0	0.0
		RW	80% FHWA	2,037.0	0.0	0.0	0.0	0.0	2,037.0	0.0
		C	80% FHWA	1,887.0	0.0	0.0	0.0	0.0	0.0	1,887.0
	Walther Road Sidewalks, Old Baltimore Pike to US 40	PE	100% ST	245.0	0.0	0.0	245.0	0.0	0.0	0.0
		RW	80% FHWA	800.0	0.0	0.0	800.0	0.0	0.0	0.0
		C	80% FHWA	1,635.0	0.0	0.0	0.0	1,635.0	0.0	0.0
22-119-05	Wilton Boulevard/ Appleby Road Sidewalks	PE	100% ST	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		RW	100% ST	584.0	584.0	0.0	0.0	0.0	0.0	0.0
		C	80% FHWA	1,733.0	0.0	0.0	1,733.0	0.0	0.0	0.0
	Transit Improvements									
	Route Deviation Service	PRO	100% ST	100.0	0.0	0.0	100.0	0.0	0.0	0.0
	SR 72 Area Park and Ride	PE	100% ST	135.0	0.0	0.0	0.0	0.0	0.0	135.0
		RW	100% ST	1,000.0	1,000.0	0.0	0.0	0.0	0.0	0.0
		C	80% FHWA	900.0	0.0	0.0	0.0	0.0	0.0	900.0

US 40, MARYLAND LINE TO US 13, CORRIDOR IMPROVEMENTS (CONTINUED)**PROJECT TIMELINE INFORMATION**

Project #	Description	Phase	Funding Schedule	Current Estimate	Prior Years	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007 -2009
	US 40, Maryland Line to US 13, Corridor Improvements, Continued									
	US 40, Bear-Glasgow Bus Stop Improvements	PE	100% ST	150.0	150.0	0.0	0.0	0.0	0.0	0.0
		C	80% FHWA	675.0	0.0	0.0	675.0	0.0	0.0	0.0
	Other Improvements									
	Access Management on Developing Properties	PE	100% ST	102.0	0.0	0.0	0.0	0.0	102.0	0.0
		RW	100% ST	75.0	0.0	0.0	0.0	0.0	0.0	75.0
		C	80% FHWA	680.0	0.0	0.0	0.0	0.0	0.0	680.0
22-119-03	US 40 Signing	PE	100% ST	24.0	24.0	0.0	0.0	0.0	0.0	0.0
		C	100% ST	290.0	290.0	0.0	0.0	0.0	0.0	0.0
	US 40 Streetscape	PE	100% ST	330.0	0.0	0.0	0.0	0.0	330.0	0.0
		C	80% FHWA	2,200.0	0.0	0.0	0.0	0.0	0.0	2,200.0
	US 40 /SR896 Property	RW	100% ST	1,000.0	1,000.0	0.0	0.0	0.0	0.0	0.0
	Planning									
	Concept Design	PD	100% ST	2,500.0	348.4	151.6	500.0	500.0	500.0	500.0
	Plan Management	PD	100% ST	1,050.0	150.0	0.0	150.0	150.0	150.0	450.0
	Planning Studies	PD	100% ST	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Phase II Projects	PE	80% FHWA	10,000.0	0.0	0.0	0.0	0.0	0.0	10,000.0
		RW*	80% FHWA	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		C*	80% FHWA	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Total All Funds			\$ 79,698.5	\$ 10,517.9	\$ 6,199.6	\$ 13,784.0	\$ 16,945.0	\$ 13,087.0	\$ 19,165.0